

Amendments to the Specification:

With reference to the publication of the present application, please delete paragraph 0062 of the publication.

Please replace paragraph 0071 of the publication with the following two replacement paragraphs:

--FIG. 12a: flow chart illustrating generation of new multiplexer state vectors states using a counter

FIG. 12b: flow chart illustrating generation of new multiplexer states using a look-up table--.